

### **ABSTRACT OF THE DISCLOSURE**

A plug retrieval and installation tool is used with a subsea well having a production tree, a tubing hanger, a passage that extends vertically through the tubing hanger and the tree, and a plug located within a plug profile in the passage within the tubing hanger. The plug retrieval device has a housing and connector that is lowered on a lift line onto the upper end of the tree. An axially extendible stem in the housing is moved with hydraulic fluid controlled by an ROV into the production passage of the tubing hanger. An installation and retrieval member mounted to the stem engages the plug and pulls it upwardly in the passage while the stem is being moved upward, and pushes the plug downward to install the plug while the stem is being moved downward. The connector, drive mechanism and retrieval member are powered by an ROV.